

DRILL HOLES

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BORDER REV. DATE: June 11, 2004

DATE: 10/1/03  
BY: [Signature]  
CHECKED BY: [Signature]  
IN CHARGE: [Signature]

## PROJECT DESCRIPTION

### GENERAL

THIS PROJECT INVOLVES THE RECONSTRUCTION OF GUILFORD ROAD AT DORSEY RUN ROAD INTERSECTION. PARTIAL RECONSTRUCTION OF THE TRAFFIC SIGNAL IS REQUIRED. GUILFORD ROAD IS ASSUMED TO RUN IN AN EAST - WEST DIRECTION, DORSEY RUN ROAD IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION.

### INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE AS IN EXISTING CONDITIONS. THIS SIGNAL IS INTERCONNECTED TO THE EASTBOUND MD 32/ DORSEY RUN ROAD AND THE WESTBOUND MD 32/ DORSEY RUN ROAD SIGNALIZED INTERSECTIONS.

### CONTROLLER REQUIREMENTS

INSTALL A NEMA 8 PHASE CONTROLLER IN A NEMA 6 BASE MOUNTED CABINET.

THE PRESENCE AND SAMPLING DETECTION REGIONS SHALL BE MONITORED/ACTUATED WITH VIDEO-DETECTION CAMERAS AND MICRO PROBE LOOP DETECTION. THE ADVANCED DETECTION REGIONS SHALL BE MONITORED/ACTUATED WITH NON-INVASIVE DETECTORS.

### SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

#### PROJECT CONTACTS:

MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 624-8140

MR. RAY JOHNSON, ASSISTANT DISTRICT ENGINEER- MAINTENANCE  
PHONE: (301) 624-8105

MS. ANDREA ABEND, UTILITY ENGINEER  
PHONE: (301) 624-8115

MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 767-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR ACCORDING TO THE MOT PLANS. REFER TO MOT PLAN PHASE 3.

### EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
973023	SHEET ALUMINUM SIGNS 3 EA R3-5 (30" X 36")	SF	22.5
		SF	22.5

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
114020	10 INCH WHITE NONTXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT	LF	546.0
114045	24 INCH WHITE NONTXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT	LF	88.0
813015	INSTALL OVERHEAD SIGN	SF	22.5
860284	12" LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	18.0
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG )	EA	180.0
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG )	LF	850.0
800000	REMOVE AND DISPOSE MATERIALS & EQUIPMENT	LF	1.0
800000	REALIGN EXISTING VIDEO CAMERA	LS	3.0
		EA	

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.

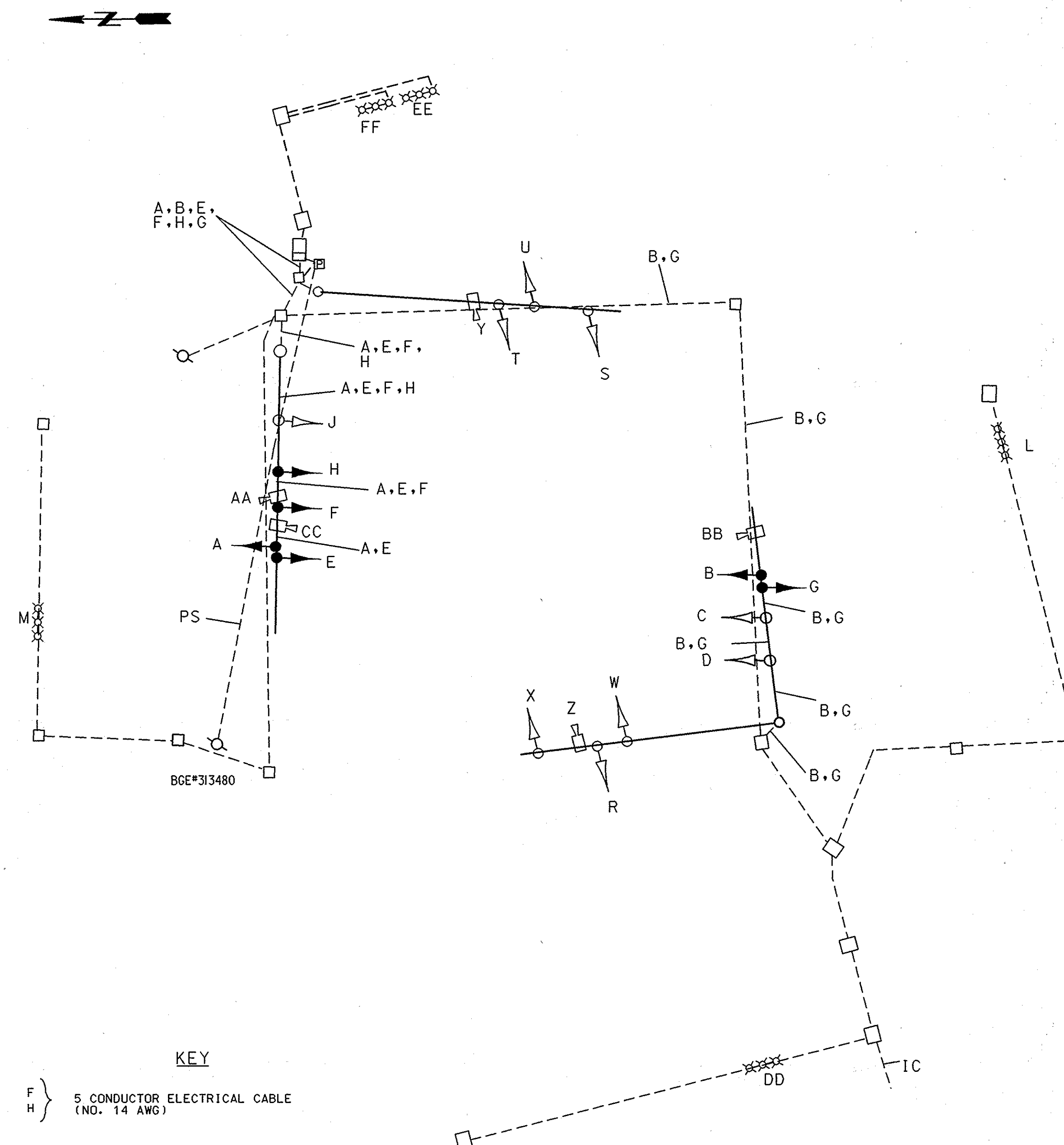
ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

## PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
12"	12"	12"	12"	12"	12"	12"	12"	12"	8"/12"	12"	12"	8"/12"	12"	12"

PHASE 1 AND 5	←G	←G	R	R	←G	←G	←G	R	R	R	R	R	R	R	
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6															↗
PHASE 1 AND 6	←G	←G	G	G	←R	←R	←R	R	R	R	R	R	R	R	↗
1 AND 6 CHANGE	←Y	←Y	Y	Y	←R	←R	←R	R	R	R	R	R	R	R	→
PHASE 2 AND 5	←R	←R	R	R	←G	←G	←G	G	G	R	R	R	R	R	↖
2 AND 5 CHANGE	←R	←R	R	R	←Y	←Y	←Y	Y	Y	R	R	R	R	R	↖
PHASE 2 AND 6	←R	←R	G	G	←R	←R	←R	G	G	R	R	R	R	R	↖
2 AND 6 CHANGE	←R	←R	Y	Y	←R	←R	←R	Y	Y	R	R	R	R	R	→
PHASE 3	←R	←R	R	R	←R	←R	←R	R	R	R	R	←G/G	←G/G	G	↘
3 CHANGE	←R	←R	R	R	←R	←R	←R	R	R	R	R	Y	Y	Y	↘
PHASE 4	←R	←R	R	R	←R	←R	←R	R	R	←G/G	←G/G	G	R	R	↗
4 CHANGE	←R	←R	R	R	←R	←R	←R	R	R	Y	Y	Y	R	R	↗
FLASHING OPERATION	FL /Y	FL /Y	FL /Y	FL /Y	FL /Y	FL /Y	FL /Y	FL /Y	FL /Y	FL /R	FL /R	FL /R	FL /R	FL /R	FL /R

## WIRING DIAGRAM



KEY  
F } 5 CONDUCTOR ELECTRICAL CABLE  
H } (NO. 14 AWG)

A } 7 CONDUCTOR ELECTRICAL CABLE  
B } (NO. 14 AWG)  
E }  
G }

C }  
D }  
J }  
M }  
L }  
R }  
S }  
T }  
U }  
W }  
X }  
Y }  
Z }  
AA }  
BB }  
CC }  
DD }  
EE }  
FF }

PS POWER SOURCE  
IC INTERCONNECT CABLE

SHA NO : BW389M84  
DORSEY RUN ROAD  
AND GUILFORD DRIVE



**Gannett Fleming**

4701 Mt. Hope Drive  
Seton Business Park  
Baltimore, Maryland 21215  
410-585-1460

**SHA**

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
TEMPORARY TRAFFIC SIGNALIZATION PLAN - PHASE 3  
GUILFORD ROAD AT DORSEY RUN ROAD  
ROADWAY IMPROVEMENTS

#### GENERAL INFORMATION

SCALE NTS DATE SEPT. 2007 CONTRACT NO.

DESIGNED BY DKS COUNTY HOWARD  
DRAWN BY DKS LOGMILE 13732R00.56  
CHECKED BY ICC T.I.M.S. NO. G467  
F.A.P. NO. TOD NO.

DRAWING NO. TS 42538-61 OF SHEET NO. 93A OF 156